MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	

it and final Bill

M. A. R. 57 (Rule 116)
Measurement Book

Estimated cost : 4.90 Lakhs
Job code : 015-18-000029

No. B 84783

Providing RCC Retaining wall at NH service Road SSM retaining wall at near Metro Station towards Ward No. 15.

Name of work ..... From ..... To .....

Name of Contractor or nature of Agency Sreenivasareddy

Date of commencement of work.....

A.S.No: BBMP/14/17-18 dt 30/6/2017
T.S.No: BBMP/TR/14/17-18 dt 12/6/17

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 1.5m. Excavated earth to be levelled neatly after neatly dressed, the disposed surface levelled and sides breaking of clods. complete as per specifications, at a lead of 9 kms						
As per premeasurement 84797	By recooked in this MB at Pg No. vide item No. ① @ rate of 1855/cum				116.37 cum = ₹ 21528.45	
providing and laying in position PCC 1:4:8 mix using OPC cement @ 180kg/m³ with 40mm and down size graded granite metal CA@ 0.85cum/m³ for @ 0.57 cum/m³ machine mixed concrete laid in layers not exceeding 15cms thick well compacted to foundation. Complete as per specifications.						

Sk Jayan
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಚಂಗಲರಾಯಪ್ಪ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	As per premeasurement Qty recorded in this MB at vide at. No. ④ i.e. Pg No. 84772						
	@ Rate ₹ 5100/cu					2.70 cum	= ₹ 13770/-
③	providing and laying in position to required level & slope 100mm internal dia salt glazed stoneware pipes grade A and jointing with stiff mixture of CM in proportion of 1:1 testing of pipes and joints including cost of materials. complete as per specifications.						
	As per Premeasurement Qty recorded in this MB at Pg No. 84793/2 vide at: No ③ i.e.					70.00 rmtrs	
	@ Rate ₹ 230/mtr						= ₹ 16100/-
④	Construction brick masonry circular type manhole 1.22m internal dia at bottom, 2.25m deep and 0.56m dia at top. with table moulded and non modular bricks of class designation 50 in CM 1:4, inside cement plaster 12mm thick with CM 1:3 finished with a floating coat of neat cement, foundation concrete M10 using 40mm and down size granite						

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116)
Measurement Book

No. B 84790

No. .....
of work ..... From ..... To .....
& of Contractor of nature of Agency.....
of commencement of work.....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	1				1 No s	
	@ Rate ₹ 33300/No					= ₹ 33300/-
providing and laying in position to required level & slope 230mm dt internal dia. salt glazed stoneware pipes grade A and jointing with stiff mixture of CM in proportion of 1:1 testing of pipes, complete as per specifications.						
As per premeasurement Qty recorded in this MB at pg No 84793						
vide at. No ⑤ i.e.					40.00 mtrs	
@ Rate ₹ 650/mtr						= ₹ 26000/-
Refilling available earth around pipelines, cables in layers not exceeding 200mm in loose depth, compacting each deposited layer by ramming after watering with hand rammer upto 30cm, and lift upto 1.5m, complete as per specifications						

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ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Ref. to last Measurement
1	2	3	4	5	6	7	
	Same as Qty vide Est. No. ①					74.25 cum	
④	100mm. S or P Trap	5			@ Rate ₹ 80/cum	5 Nos	= ₹ 5940/-
					@ Rate ₹ 65/No.		= ₹ 325/-
⑧	Dismantling & existing Structures like culverts, bridges, retaining walls and other structure comprising of masonry CC wood work, steel work including T&P and Scaffolding wherever necessary, sorting the dismantled material, disposal and unserviceable material and stacking the serviceable material with all lifts and load & 1000mts complete as per specifications.	As per premeasurement this MB at pg. No 84798			Qty recorded in vide Est. No. ⑧ @ Rate ₹ 250/Cum	79.38 cum	= ₹ 19845/-

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M. A. R. 57 (Rule 116)
Measurement Book

No. B
84791

No. ..... From ..... To .....

of work .....

of Contractor of nature of Agency.....

commencement of work.....

Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Plain cement concrete M20 with crushed stone aggregate 40mm nominal size mechanically mixed placed in formwork and compacted by vibrator including curing complete as per specifications.						
As per premeasurement at pg. No. 84793/2	Qty recorded in this MB vide Est. No. ⑨ @ Rate ₹ 4700/cum				13.23 cum	= ₹ 62181/-
Providing and constructing granite/stone masonry in foundation with CM 1:6, and hammered dressed to courses not less than 20cms high, bond stones at 2m apart in each course including cost & materials Cranes available if any Steps.						
	1	30.00	0.80	0.45	10.80	
	1	20.00	0.80	0.45	7.20	
	1	30.00	0.80	0.45	10.80	
	1	8.10	0.80	0.48	2.92	
				Total Qty =	31.72 cum	= 85730.40

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ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಜಾಲಗುಂಟೆ, ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	
(11)	providing and constructing granite SSM in foundation with cm 1:6, and hammered dressed in courses not less than 20 cms high, bond stones at 2m, complete as per Specn						
	1st Step	1	9.90	0.80	0.45	3.56	
	2nd Step	1	30.00	0.60	0.45	8.10	
		1	20.00	0.60	0.45	5.40	
		1	30.00	0.60	0.45	8.10	
		1	18.00	0.60	0.45	4.86	
	culvert	1	10.00	0.48	0.80	7.20	
				Total Qty =		37.22 cum	
				Qty limited to =		37.19 cum	
						= ₹ 1636/-	
(12)	Providing & laying cement mortar 1:3 20 mm thick neatly finishing including cost of materials.	1	30.00		0.45	13.50	

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ಜಾಲಗುಂಟೆ. ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-560057

M. A. R. 57 (Rule 116) Measurement Book — No. B

84792

No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	1	20.00	0.45	0.45	9.00	
	1	30.00	"	0.45	18.50	
	1	18.00		0.45	8.10	
culvert	1	10.00		0.80	16.00	
			Total Qty =		60.10 Cum	
			@ Rate ₹ 100/ Cum		= 6010/-	

providing and laying in position P.C.C ₹ mix 1:2:4 with cement concrete with 20mm and down size graded granite metal CD @ 0.69 cum and RD @ 0.489 cum laid in layers not exceeding 15cms thick using machine mixed concrete well compacted for curing, including cost of all materials, labour, tools & machinery during complete as per specifications.

ಸಹಾಯಕ. ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಜಾಲಗುಂಟೆ. ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Coping Retaining wall	1	30.00	0.60	0.08	1.35	
		1	20.00	0.60	0.08	0.90	
		1	30.00	0.60	0.08	1.35	
		1	18.00	0.60	0.08	0.81	
		1	1.00	0.45	0.10	0.90	
					Total Qty =	5.31 Cum	
					Rate @ 5600/cum	= 24736	
					Total Bill Amount =	₹ Rs 84093	

15/11/18

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-560057

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

Certified that
① The work is done satisfactorily by Contractor
② the contractors has removed all debris from worksp
③ There is no departmental issues made by contractor

Skedayan

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
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ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116)
Measurement Book

No. B 84793

No. ..... From ..... To .....

Work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
					484093=00	
					462033=00	
					22060=00	

Audited and admitted for Rs .....
Passed by Cheque for Rs .....
(Rupees .....)
dated .....
by a/c

A. Shanthi
Accountant
B.B.M.P. Dasarahalli Division

Asst. Executive Engineer